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This document prepared:

Tracy M. Baber
 Tracy M. Baber
 DOE ORO Certified Realty Specialist
 U.S. Dept. of Energy, P.O. Box 2001
 Oak Ridge, Tennessee 37831

22 PGS : AL - ENVIRONMENTAL NOTATION	
DEMISE BATCH: 56520	
08/21/2008 - 11:00 AM	
VALUE	0.00
MORTGAGE TAX	0.00
TRANSFER TAX	0.00
RECORDING FEE	110.00
DP FEE	2.00
REGISTER'S FEE	0.00
TOTAL AMOUNT	112.00
STATE OF TENNESSEE, ROANE COUNTY	
SHARON BRACKETT	
REGISTER OF DEEDS	

NOTATION ON OWNERSHIP RECORD FOR NOTIFICATION OF CLOSURE OF MELTON VALLEY BURIAL GROUNDS

The purpose of this document is to give public notice of completed in-place closure of Melton Valley Burial Grounds at the Oak Ridge National Laboratory, in Roane County, Tennessee.

Solid waste containing hazardous and radioactive constituents were placed into several burial areas between 1952 and 1998. Title to this parcel was acquired or vested in the United States of America (having been acquired for the Atomic Energy Commission as a forerunner to the Department of Energy) as:

- SWASA 4, Tracts A-26 and A-27, by Declaration of Taking both dated February 23, 1943, filed in the records of Roane County, Tennessee, in Books Y-5, Pages 123 and 165.
- SWASA 4, Tract A-28, by Declaration of Taking dated March 10, 1944, filed in the records of Roane County, Tennessee, in Book Y-5, Page 75.
- SWASA 4, Tract A-29, by Declaration of Taking dated March 18, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 385.
- SWASA 5 North, Tract A-26, by Declaration of Taking dated February 23, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 123.
- SWASA 5 South, Tract A-25, by Declaration of Taking dated February 23, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 123.
- SWASA 6 Cap A, Tracts A-28 and A-33, by Declaration of Taking dated March 10, 1944 and March 18, 1943, respectfully, filed in the records of Roane County, Tennessee, in Book Y-5, Page 75 and Book Y-5, Page 386, respectfully.
- SWASA 6 Cap B, Tracts A-33 and A-34, by Declaration of Taking dated March 18, 1943 and April 12, 1943, respectfully, filed in the records of Roane County, Tennessee, in Book Y-5, Pages 386 and 383.
- SWASA 6 Cap C, Tract A-33, by Declaration of Taking dated March 18, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 386.
- SWASA 6 Cap D, Tract A-33, by Declaration of Taking dated March 18, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 386.

- SWASA 6 Cap E, Tract A-33, by Declaration of Taking dated March 18, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 386.
- Pits 2, 3 and 4, Tract A-38, by Declaration of Taking dated March 18, 1943, filed in the records of Roane County, Tennessee, in Book Y-5, Page 383.
- Trench 5, Tract A-28, by Declaration of Taking dated March 10, 1944, filed in the records of Roane County, Tennessee, in Book Y-5, Page 75.
- Trench 6, Tracts A-25 and A-27, by Declaration of Taking both dated February 23, 1943, respectfully, filed in the records of Roane County, Tennessee, in Book Y-5, Page 123, and Book Y-5, Page 165.
- Trench 7, Tracts A-25 and A-28, by Declaration of Taking dated February 23, 1943 and March 10, 1944, respectfully, filed in the records of Roane County, Tennessee, in Book Y-5, Page 123, and Book Y-5, Page 75.

Principal contaminants in the waste include:

- Radionuclides: cesium, strontium, cobalt, tritium, rubidium and curium
- Radionuclides in small quantities: uranium, plutonium, thorium, americium and transuranic isotopes
- Organic compounds: xylene, toluene

DOE completed an in-place closure of Melton Valley Burial Grounds pursuant to the Comprehensive Environmental Response Compensation and Liability Act and the Resource Conservation and Recovery Act (RCRA; 42 USC 6903 *et seq.*), as amended, and the Tennessee Hazardous Waste Management Act (*Tennessee Code Annotated* 68-212-101 *et seq.*) in 2006. Closure consisted of construction of a multi-layer engineered cap over the burial areas as well as groundwater collection systems.

More detailed information about the contaminants remaining in place is presented in the following document, available for public inspection during regular business hours at the DOE Information Center in Oak Ridge, Tennessee:

- *Remedial Action Report for the Melton Valley Watershed at the Oak Ridge National Laboratory, Oak Ridge, Tennessee, DOE/OR/01-2343&D1, March 2007*

Because of the current contamination at the Oak Ridge National Laboratory, DOE maintains various restrictions on the uses of the property. Restrictions that apply to the closed Melton Valley site are the Excavation/Penetration Permits Program and access controls (i.e., postings/signs). Additionally, property record restrictions will be implemented as necessary upon transfer of the Melton Valley Project. These land use controls are used to protect workers and the public from risks associated with contaminated areas. These land use controls will remain in effect until DOE, the Environmental Protection Agency, and the Tennessee Department of Environment and Conservation agree to modify or terminate them. Any person who is unsure whether DOE has authorized a proposed use at the Oak Ridge National Laboratory should contact the U.S. Department of Energy, Oak Ridge Office, P.O. Box 2001, Oak Ridge, Tennessee 37831, (865) 241-5627, before proceeding with such use.

TRENCH 5

Beginning at a Concrete Monument No. 07-X-189 and located at Tennessee Grid coordinate North = 578,273.83 and East = 2,465,809.07;

Thence, North 87 deg. 10 min. 44 sec. East, 75.01 feet to a Concrete Monument No. 07-X-190 and located at Tennessee Grid coordinate North = 578,277.52 and East = 2,465,883.99;

Thence, South 11 deg. 39 min. 52 sec. West, 69.03 feet to an iron rod set;

Thence, South 15 deg. 26 min. 20 sec. East, 253.21 feet to an iron rod set;

Thence, South 30 deg. 08 min. 14 sec. East, 67.20 feet to an iron rod set;

Thence, South 30 deg. 20 min. 37 sec. West, 69.67 feet to an iron rod set;

Thence, South 89 deg. 44 min. 31 sec. West, 60.44 feet to an iron rod set;

Thence, North 10 deg. 56 min. 46 sec. West, 365.79 feet to an iron rod set;

Thence, North 02 deg. 31 min. 53 sec. East, 67.42 feet to the point of Beginning and containing 0.77 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

Prepared by: Barge, Waggoner, Sumner and Cannon, Inc.

Date: June 27, 2007

BWSC File: 31170-00

TRENCH 6

Beginning at a Concrete Monument No. 07-X-194 and located at Tennessee Grid coordinate North = 579,712.93 and East = 2,466,326.63;

Thence, South 18 deg. 40 min. 19 sec. East, 114.69 feet to an iron rod set:

Thence, South 23 deg 03 min. 19 sec. East, 140.62 feet to an iron rod set:

Thence, South 23 deg. 53 min. 15 sec. West 65.56 feet to an iron rod set:

Thence, South 81 deg. 59 min. 29 sec. West, 129.53 feet to an iron rod set:

Thence, North 87 deg. 03 min. 24 sec. West, 83.85 feet to an iron rod set:

Thence, North 10 deg. 45 min. 08 sec. West, 148.40 feet to an iron rod set:

Thence, North 13 deg. 31 min. 49 sec. East, 71.94 feet to an iron rod set:

Thence, North 19 deg. 55 min. 50 sec. West, 57.72 feet to an iron rod set:

Thence, South 81 deg. 58 min. 14 sec. West, 66.87 feet to an iron rod set:

Thence, South 42 deg. 53 min. 41 sec. West, 65.07 feet to an iron rod set:

Thence, South 64 deg. 09 min. 58 sec. West, 55.47 feet to an iron rod set:

Thence, North 47 deg. 21 min. 06 sec. West, 82.92 feet to an iron rod set:

Thence, North 09 deg. 53 min. 23 sec. East, 156.09 feet to an iron rod set:

Thence, North 56 deg. 14 min. 35 sec. East, 59.62 feet to a Concrete Monument No. 07-X-193 and located at Tennessee Grid coordinate North = 579,833.09 and East = 2,466,004.30;

Thence, South 89 deg. 58 min. 32 sec. East, 127.83 feet to an iron rod set:

Thence, South 66 deg. 35 min. 26 sec. East, 90.21 feet to an iron rod set:

Thence, South 52 deg. 58 min. 24 sec. East, 139.93 feet to the point of Beginning and containing 2.72 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

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TRENCH 7 AND ASSOCIATED LEAK SITE

Beginning at a Concrete Monument No. 07-X-191 and located at Tennessee Grid coordinate North = 579,027.40 and East = 2,466,396.07;

Thence, South 55 deg. 23 min. 47 sec. East, 84.63 feet to a Concrete Monument No. 07-X-192 and located at Tennessee Grid coordinate North = 578,979.34 and East = 2,466,465.73;

Thence, South 26 deg. 29 min. 06 sec. West, 22.69 feet to an iron rod set;

Thence, South 54 deg. 54 min. 00 sec. East, 52.25 feet to an iron rod set;

Thence, South 51 deg. 17 min. 09 sec. East, 86.64 feet to an iron rod set;

Thence, South 83 deg. 30 min. 26 sec. East, 66.64 feet to an iron rod set;

Thence, North 53 deg. 46 min. 27 sec. East, 51.97 feet to an iron rod set;

Thence, North 21 deg. 51 min. 33 sec. East, 103.69 feet to an iron rod set;

Thence, North 51 deg. 41 min. 08 sec. East, 68.57 feet to an iron rod set;

Thence, South 40 deg. 30 min. 40 sec. East, 63.43 feet to an iron rod set;

Thence, South 65 deg. 46 min. 28 sec. East, 123.62 feet to an iron rod set;

Thence, South 70 deg. 50 min. 51 sec. East, 113.34 feet to an iron rod set;

Thence, South 09 deg. 30 min. 52 sec. East, 71.93 feet to an iron rod set;

Thence, South 62 deg. 05 min. 48 sec. West, 50.86 feet to an iron rod set;

Thence, North 81 deg. 21 min. 40 sec. west, 109.91 feet to an iron rod set;

Thence, North 84 deg. 16 min. 49 sec. West, 83.26 feet to an iron rod set;

Thence, South 30 deg. 24 min. 38 sec. West, 72.19 feet to an iron rod set;

Thence, South 36 deg. 33 min. 54 sec. East, 219.84 feet to an iron rod set;

Thence, South 49 deg. 14 min. 05 sec. West, 78.13 feet to an iron rod set;

Thence, South 80 deg. 39 min. 34 sec. West, 122.61 feet to an iron rod set;

Thence, South 20 deg. 14 min. 42 sec. West, 56.33 feet to an iron rod set;

Thence, South 01 deg. 31 min. 31 sec. East, 66.91 feet to an iron rod set;

Thence, South 32 deg. 43 min. 05 sec. West, 65.85 feet to an iron rod set;

Thence, North 74 deg. 19 min. 38 sec. West, 95.38 feet to an iron rod set;
Thence, North 27 deg. 29 min. 53 sec. West, 63.96 feet to an iron rod set;
Thence, South 81 deg. 40 min. 37 sec. West, 72.01 feet to an iron rod set;
Thence, North 33 deg. 47 min. 39 sec. West, 193.43 feet to an iron rod set;
Thence, North 20 deg. 02 min. 11 sec. West, 60.11 feet to an iron rod set;
Thence, North 06 deg. 35 min. 33 sec. West, 273.09 feet to an iron rod set;
Thence, North 12 deg. 29 min. 31 sec. East, 73.75 feet to an iron rod set;
Thence, North 46 deg. 08 min. 35 sec. East 94.76 feet to the point of Beginning and containing 6.40 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

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PITS 2, 3, AND 4

Beginning at a Concrete Monument No. 07-X-187 and located at Tennessee Grid coordinate North = 577,936.14 and East = 2,464,925.13;

Thence, North 40 deg. 09 min. 12 sec. East, 385.50 feet to a Concrete Monument No. 07-X-188 and located at Tennessee Grid coordinate North = 578,230.78 and East = 2,465,173.71;

Thence, North 29 deg. 03 min. 28 sec. East, 71.42 feet to an iron rod set;

Thence, North 38 deg. 37 min. 17 sec. East, 177.21 feet to an iron rod set;

Thence, South 76 deg. 15 min. 34 sec. East, 29.92 feet to an iron rod set;

Thence, South 31 deg. 47 min. 18 sec. East, 95.54 feet to an iron rod set;

Thence, South 17 deg. 48 min. 28 sec. East, 91.02 feet to an iron rod set;

Thence, South 09 deg. 38 min. 21 sec. East, 54.37 feet to an iron rod set;

Thence, South 03 deg. 25 min. 24 sec. West, 54.25 feet to an iron rod set;

Thence, South 04 deg. 50 min. 02 sec. West, 157.45 feet to an iron rod set;

Thence, South 13 deg. 30 min. 32 sec. West, 106.08 feet to an iron rod set;

Thence, South 37 deg. 25 min. 38 sec. West, 116.10 feet to an iron rod set;

Thence, South 01 deg. 09 min. 32 sec. East, 84.93 feet to an iron rod set;

Thence, North 71 deg. 35 min. 06 sec. East, 193.79 feet to an iron rod set;

Thence, South 27 deg. 48 min. 18 sec. East, 153.22 feet to an iron rod set;

Thence, South 47 deg. 55 min. 37 sec. East, 117.92 feet to an iron rod set;

Thence, South 39 deg. 29 min. 03 sec. East, 46.61 feet to an iron rod set;

Thence, South 30 deg. 42 min. 40 sec. East, 127.39 feet to an iron rod set;

Thence, South 29 deg. 04 min. 57 sec. West, 38.57 feet to an iron rod set;

Thence, South 74 deg. 30 min. 42 sec. West, 119.35 feet to an iron rod set;

Thence, South 42 deg. 20 min. 52 sec. West, 158.57 feet to an iron rod set;

Thence, South 41 deg. 45 min. 19 sec. West, 132.19 feet to an iron rod set;

Thence, South 26 deg. 28 min. 35 sec. West, 65.25 feet to an iron rod set;

Thence, North 78 deg. 09 min. 49 sec. West, 197.65 feet to an iron rod set;
Thence, North 81 deg. 31 min. 13 sec. West, 138.83 feet to an iron rod set;
Thence, South 06 deg. 55 min. 11 sec. West, 18.24 feet to an iron rod set;
Thence, South 75 deg. 33 min. 43 sec. West, 43.26 feet to an iron rod set;
Thence, North 13 deg. 46 min. 42 sec. West, 150.01 feet to an iron rod set;
Thence, North 30 deg. 00 min. 05 sec. West, 106.76 feet to an iron rod set;
Thence, North 23 deg. 10 min. 45 sec. West, 264.90 feet to an iron rod set;
Thence, North 08 deg. 22 min. 47 sec. West, 163.03 feet to an iron rod set;
Thence, North 09 deg. 20 min. 08 sec. East, 67.28 feet to an iron rod set;
Thence, North 19 deg. 13 min. 47 sec. East, 59.55 feet to an iron rod set;
Thence, North 51 deg. 18 min. 17 sec. East, 104.42 feet to the point of Beginning containing 15.65 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

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SWSA 6 CAP C

Beginning at a Concrete Monument No. 07-X-185 and located at Tennessee Grid coordinate North = 575,954.07 and East = 2,463,630.55;

Thence, North 31 deg. 00 min. 19 sec. East, 215.43 feet to a Concrete Monument No. 07-X-186 and located at Tennessee Grid coordinate North = 576,138.72 and East = 2,463,741.52;

Thence, North 47 deg. 32 min. 36 sec. East, 89.79 feet to an iron rod set:

Thence, North 63 deg. 56 min. 02 sec. East, 115.43 feet to an iron rod set:

Thence, South 24 deg. 30 min. 47 sec. East, 166.09 feet to an iron rod set:

Thence, South 21 deg. 57 min. 26 sec. East, 121.71 feet to an iron rod set:

Thence, South 41 deg. 44 min. 05 sec. East, 293.19 feet to an iron rod set:

Thence, South 03 deg. 20 min. 57 sec. East, 167.57 feet to an iron rod set:

Thence, South 07 deg. 33 min. 40 sec. West, 57.24 feet to an iron rod set:

Thence, North 57 deg. 26 min. 16 sec. West, 61.76 feet to an iron rod set;

Thence, North 73 deg. 55 min. 11 sec. West, 42.64 feet to an iron rod set;

Thence, North 43 deg. 16 min. 29 sec. West, 88.45 feet to an iron rod set:

Thence, North 31 deg. 21 min. 56 sec. East, 144.49 feet to an iron rod set:

Thence, North 49 deg. 53 min. 16 sec. West, 201.23 feet to an iron rod set:

Thence, North 60 deg. 54 min. 27 sec. West, 99.65 feet to an iron rod set:

Thence, North 67 deg. 06 min. 49 sec. West, 92.78 feet to an iron rod set:

Thence, South 14 deg. 35 min. 35 sec. West, 23.79 feet to an iron rod set:

Thence, South 11 deg. 25 min. 06 sec. West, 26.66 feet to an iron rod set:

Thence, North 66 deg. 52 min. 51 sec. West, 17.19 feet to an iron rod set:

Thence, North 11 deg. 49 min. 25 sec. East, 22.11 feet to an iron rod set:

Thence, North 16 deg. 15 min. 37 sec. West, 53.19 feet to the point of Beginning and containing 4.27 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

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SWSA 6 CAP E

Beginning at a Concrete Monument No. 07-X-184 and located at Tennessee Grid coordinate North = 575,426.39 and East = 2,463,836.43;

Thence, North 87 deg. 48 min. 35 sec. East, 128.83 feet to an iron rod set;

Thence, South 64 deg. 20 min. 29 sec. East, 205.69 feet to an iron rod set;

Thence, South 17 deg. 50 min. 26 sec. West, 124.91 feet to an iron rod set;

Thence, South 29 deg. 42 min. 20 sec. West, 289.99 feet to an iron rod set;

Thence, South 61 deg. 03 min. 38 sec. East, 45.87 feet to an iron rod set;

Thence, North 78 deg. 52 min. 23 sec. West, 83.71 feet to an iron rod set;

Thence, North 67 deg. 22 min. 01 sec. West, 77.93 feet to an iron rod set;

Thence, North 11 deg. 40 min. 57 sec. West, 92.75 feet to an iron rod set;

Thence, North 07 deg. 41 min. 49 sec. East, 230.72 feet to a Concrete Monument No. 07-X-185 and located at Tennessee Grid coordinate North = 575,314.89 and East = 2,463,786.51;

Thence, North 24 deg. 07 min. 08 sec. East, 122.17 feet to the point of Beginning and containing 3.04 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

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BWSC File: 31170-00

SWSA 4

Beginning at a Concrete Monument No. 07-X-195 on the Northwest side of Lagoon Road and located at Tennessee Grid coordinate North = 580,216.80 and East = 2,465, 364.55;

Thence, North 54 deg. 48 min. 26 sec. East, 545.35 feet to a Concrete Monument No. 07-X-196;

Thence, North 57 deg. 58 min. 20 sec. East, 105.49 feet to an iron rod set:

Thence, North 21 deg. 05 min. 52 sec. West, 211.60 feet to an iron rod set:

Thence, North 24 deg. 12 min. 00 sec. West, 61.15 feet to an iron rod set:

Thence, North 49 deg. 54 min. 06 sec. East, 19.68 feet to an iron rod set:

Thence, South 46 deg. 53 min. 26 sec. East, 174.86 feet to an iron rod set:

Thence, South 73 deg. 30 min. 15 sec. East, 53.24 feet to an iron rod set:

Thence, North 39 deg. 07 min. 48 sec. East, 304.45 feet to an iron rod set:

Thence, North 43 deg. 25 min. 49 sec. East, 355.30 feet to an iron rod set:

Thence, North 51 deg. 28 min. 21 sec. East, 80.03 feet to an iron rod set;

Thence, South 70 deg. 25 min. 29 sec. East, 79.07 feet to an iron rod set;

Thence, North 41 deg. 00 min. 17 sec. East, 210.28 feet to an iron rod set:

Thence, North 77 deg. 09 min. 18 sec. East, 31.24 feet to an iron rod set:

Thence, South 10 deg. 44 min. 08 sec. East, 102.82 feet to an iron rod set:

Thence, South 38 deg. 58 min. 11 sec. East, 55.17 feet to an iron rod set:

Thence, South 54 deg. 51 min. 00 sec. East, 122.68 feet to an iron rod set:

Thence, South 45 deg. 35 min. 05 sec. East, 59.31 feet to an iron rod set:

Thence, South 29 deg. 20 min. 46 sec. East, 65.24 feet to an iron rod set:

Thence, South 11 deg. 34 min. 13 sec. East, 89.70 feet to an iron rod set:

Thence, South 06 deg. 22 min. 23 sec. West, 69.08 feet to an iron rod set:

Thence, South 29 deg. 45 min. 57 sec. West, 228.79 feet to an iron rod set:
Thence, South 20 deg. 46 min. 56 sec. West, 103.96 feet to an iron rod set:
Thence, South 05 deg. 14 min. 20 sec. West, 86.47 feet to an iron rod set:
Thence, South 07 deg. 08 min. 04 sec. East, 149.16 feet to an iron rod set:
Thence, South 22 deg. 36 min. 46 sec. East, 53.43 feet to an iron rod set:
Thence, South 29 deg. 24 min. 58 sec. East, 50.82 feet to an iron rod set:
Thence, South 24 deg. 48 min. 09 sec. West, 42.41 feet to an iron rod set:
Thence, South 30 deg. 41 min. 47 sec. West, 44.26 feet to an iron rod set:
Thence, North 76 deg. 42 min. 59 sec. West, 35.34 feet to an iron rod set:
Thence, South 37 deg. 36 min. 48 sec. West, 83.87 feet to an iron rod set:
Thence, South 82 deg. 56 min. 51 sec. West, 161.96 feet to an iron rod set:
Thence, South 68 deg. 30 min. 43 sec. West, 268.14 feet to an iron rod set:
Thence, South 65 deg. 57 min. 20 sec. West, 141.74 feet to an iron rod set:
Thence, North 87 deg. 03 min. 06 sec. West, 106.15 feet to an iron rod set:
Thence, South 63 deg. 01 min. 59 sec. West, 135.64 feet to an iron rod set:
Thence, South 61 deg. 04 min. 13 sec. West, 146.49 feet to an iron rod set:
Thence, South 56 deg. 32 min. 22 sec. West, 143.53 feet to an iron rod set:
Thence, South 27 deg. 12 min. 29 sec. West, 129.06 feet to an iron rod set:
Thence, South 09 deg. 32 min. 06 sec. West, 137.16 feet to an iron rod set:
Thence, South 10 deg. 13 min. 10 sec. West, 215.86 feet to an iron rod set:
Thence, South 17 deg. 21 min. 05 sec. East, 40.35 feet to an iron rod set:
Thence, South 22 deg. 49 min. 19 sec. West, 170.72 feet to an iron rod set:
Thence, South 02 deg. 02 min. 54 sec. East, 110.92 feet to an iron rod set:

Thence, North 88 deg. 37 min. 03 sec. West, 155.81 feet to an iron rod set:

Thence, South 63 deg. 04 min. 27 sec. West, 56.47 feet to an iron rod set:

Thence, South 66 deg. 23 min. 24 sec. West, 107.06 feet to an iron rod set:

Thence, North 49 deg. 50 min. 32 sec. West, 135.15 feet to an iron rod set:

Thence, North 73 deg. 31 min. 18 sec. West, 50.99 feet to an iron rod set:

Thence, North 45 deg. 43 min. 53 sec. West, 98.08 feet to an iron rod set:

Thence, North 42 deg. 10 min. 29 sec. West, 69.94 feet to an iron rod set:

Thence, North 26 deg. 29 min. 05 sec. West, 112.53 feet to an iron rod set:

Thence, North 10 deg. 18 min. 19 sec. West, 107.98 feet to an iron rod set:

Thence, North 17 deg. 58 min. 47 sec. West, 104.65 feet to an iron rod set:

Thence, North 15 deg. 13 min. 26 sec. East, 112.89 feet to an iron rod set:

Thence, North 12 deg. 08 min. 55 sec. East, 118.16 feet to an iron rod set:

Thence, North 19 deg. 54 min. 53 sec. East, 60.26 feet to an iron rod set:

Thence, North 30 deg. 10 min. 22 sec. East, 57.80 feet to an iron rod set:

Thence, North 38 deg. 42 min. 28 sec. East, 77.40 feet to an iron rod set:

Thence, North 43 deg. 27 min. 54 sec. East, 332.84 feet to an iron rod set:

Thence, North 47 deg. 20 min. 32 sec. East, 141.27 feet to the point of Beginning and containing 44.35 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

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Date: June 27, 2007

BWSC File: 31170-00

SWSA 5 SOUTH

Beginning at a Concrete Monument No. 07-X-199 located on the South side of Steam Clean Road and located at Tennessee Grid coordinate North = 580,293.81 and East = 2,468,454.53;

Thence, North 65 deg. 02 min. 03 sec. East, 106.58 feet to an iron rod set:

Thence, North 42 deg. 31 min. 01 sec. East, 156.56 feet to a Concrete Monument No. 07-X-200 located on the South side of Steam Clean Road and located at Tennessee Grid coordinate North = 580,454.19 and East = 2,468,656.96.;

Thence, North 4 deg. 51 min. 40 sec. West, 47.67 feet to an iron rod set:

Thence, North 25 deg. 13 min. 10 sec. East, 138.05 feet to an iron rod set:

Thence, North 61 deg. 24 min. 25 sec. East, 96.46 feet to an iron rod set:

Thence, South 38 deg. 27 min. 43 sec. East, 299.34 feet to an iron rod set:

Thence, South 36 deg. 20 min. 33 sec. East, 295.69 feet to an iron rod set:

Thence, South 15 deg. 04 min. 49 sec. East, 161.94 feet to an iron rod set:

Thence, South 06 deg. 08 min. 09 sec. East, 101.35 feet to an iron rod set;

Thence, South 09 deg. 15 min. 24 sec. West, 109.79 feet to an iron rod set;

Thence, South 19 deg. 35 min. 23 sec. West, 65.99 feet to an iron rod set:

Thence, South 32 deg. 53 min. 27 sec. West, 176.76 feet to an iron rod set:

Thence, South 44 deg. 55 min. 41 sec. West, 416.58 feet to an iron rod set:

Thence, South 61 deg. 13 min. 36 sec. West, 144.04 feet to an iron rod set:

Thence, South 53 deg. 08 min. 23 sec. West, 383.86 feet to an iron rod set:

Thence, South 46 deg. 38 min. 18 sec. West, 256.08 feet to an iron rod set:

Thence, South 50 deg. 07 min. 53 sec. West, 99.99 feet to an iron rod set:

Thence, South 71 deg. 13 min. 10 sec. West, 416.68 feet to an iron rod set:

Thence, South 80 deg. 04 min. 44 sec. West, 166.69 feet to an iron rod set:

Thence, North 62 deg. 48 min. 17 sec. West, 236.60 feet to an iron rod set:
Thence, North 21 deg. 34 min. 33 sec. East, 68.34 feet to an iron rod set:
Thence, North 03 deg. 39 min. 41 sec. West, 72.44 feet to an iron rod set:
Thence, North 06 deg. 02 min. 50 sec. West, 751.62 feet to an iron rod set:
Thence, North 07 deg. 25 min. 28 sec. West, 243.80 feet to an iron rod set:
Thence, North 84 deg. 32 min. 21 sec. East, 107.41 feet to an iron rod set:
Thence, North 81 deg. 22 min. 00 sec. East, 147.71 feet to an iron rod set:
Thence, North 67 deg. 04 min. 15 sec. East, 71.10 feet to an iron rod set:
Thence, North 59 deg. 02 min. 51 sec. East, 141.53 feet to an iron rod set:
Thence, North 15 deg. 10 min. 39 sec. East, 158.12 feet to an iron rod set:
Thence, North 47 deg. 17 min. 12 sec. West, 71.84 feet to an iron rod set:
Thence, North 40 deg. 40 min. 34 sec. East, 129.26 feet to an iron rod set:
Thence, North 25 deg. 00 min. 58 sec. East, 95.21 feet to an iron rod set:
Thence, North 34 deg. 59 min. 37 sec. East, 149.02 feet to an iron rod set:
Thence, South 84 deg. 37 min. 02 sec. East, 91.44 feet to an iron rod set:
Thence, South 63 deg. 56 min. 30 sec. East, 210.63 feet to an iron rod set:
Thence, South 63 deg. 55 min. 59 sec. East, 263.57 feet to an iron rod set:
Thence, North 82 deg. 02 min. 13 sec. East, 74.63 feet to the point of Beginning and containing 56.31 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

Prepared by: Barge, Waggoner, Sumner and Cannon, Inc.
Date: June 27, 2007
BWSC File: 31170-00

SWSA 5 NORTH

Beginning at a Concrete Monument No. 07-X-197 located North of Burial Ground No. 5 Access Road and located at Tennessee Grid coordinate North = 581,042.38 and East = 2,467,683.92;

Thence, North 38 deg. 50 min. 42 sec. West, 69.38 feet to a Concrete Monument No. 07-X-198 located North of Burial Ground No. 5 Access Road and located at Tennessee Grid coordinate North = 581,096.41 and East = 2,467,640.40;

Thence, North 11 deg. 08 min. 46 sec. East, 50.25 feet to an iron rod set;

Thence, North 75 deg. 46 min. 28 sec. East, 59.50 feet to an iron rod set;

Thence, North 82 deg. 58 min. 39 sec. East, 52.67 feet to an iron rod set;

Thence, North 88 deg. 07 min. 37 sec. East, 51.13 feet to an iron rod set;

Thence, North 85 deg. 32 min. 11 sec. East, 48.87 feet to an iron rod set;

Thence, South 07 deg. 25 min. 50 sec. East, 58.43 feet to an iron rod set;

Thence, South 28 deg. 23 min. 28 sec. West, 32.72 feet to an iron rod set;

Thence, South 51 deg. 56 min. 45 sec. West, 143.74 feet to an iron rod set;

Thence, North 45 deg. 55min. 25 sec. West, 76.27 feet to the Point of Beginning and containing 0.62 acres more or less.

Bearing and distances are based on Tennessee State Plane Grid Coordinate System NAD83 (88). 88 refers to the year which Martin Marietta Energy Systems established GPS monuments on the Oak Ridge Reservation using values published in 1986 by the Tennessee Department of Transportation which tied the GPS monuments to the Tennessee Geodetic Reference Network System.

Prepared by: Barge, Waggoner, Sumner and Cannon, Inc.

Date: June 27, 2007

BWSC File: 31170-00



DUMMER SURVEYING & ENGINEERING SERVICES, INC.

Legal Description for SWSA 6 Cap A Limits Boundary.

All that parcel of land designated as SWSA 6 Cap A Waste Pile situated within the Department of Energy, Oak Ridge, Reservation boundaries located in Anderson County, Tennessee and being more particularly described as follows:

DAVID H. DUMMER, JR., PLS
PRESIDENT
Licensed in Kentucky

JOHN H. "JACK" MUNDY, PE
VICE PRESIDENT
ENGINEERING SERVICES
Licensed in Kentucky, Illinois & Virginia

RICKY A. TOSH, PLS
VICE PRESIDENT
ENGINEERING SERVICES
Licensed in Kentucky, Tennessee & Illinois

Beginning at a rebar rod set [all rebar rods set are 1/2" diameter X 18" long rebar rods with plastic cap stamped "R. Tosh R.L.S. 2410"], said rebar rod being located South 37 degrees 06 minutes 45 seconds East for a distance of 1511.31 feet from a Control Point know as "CP5-ACHW", Northing 577324.5956, Easting 2463919.5040, and being located North 29 degrees 16 minutes 50 seconds West for a distance of 504.61 feet from a Control Point known as "CP30-ACHW", Northing 575679.2581, Easting 2465078.1970.

THENCE South 25 degrees 13 minutes 33 seconds West for a distance of 187.86 feet to a rebar rod set;

THENCE South 88 degrees 17 minutes 08 seconds West for a distance of 47.30 feet to a rebar rod set;

THENCE North 42 degrees 23 minutes 53 seconds West for a distance of 291.16 feet to a rebar rod set;

THENCE South 71 degrees 38 minutes 19 seconds West for a distance of 107.52 feet to a rebar rod set;

THENCE South 56 degrees 14 minutes 14 seconds West for a distance of 184.53 feet to a rebar rod set;

THENCE South 87 degrees 40 minutes 31 seconds West for a distance of 83.72 feet to a rebar rod set;

THENCE North 32 degrees 05 minutes 56 seconds West for a distance of 137.59 feet to a rebar rod set;

THENCE North 24 degrees 04 minutes 34 seconds West for a distance of 207.02 feet to a rebar rod set;

THENCE North 06 degrees 19 minutes 38 seconds West for a distance of 254.78 feet to a rebar rod set;

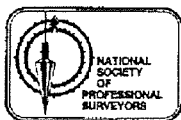
THENCE North 22 degrees 12 minutes 23 seconds East for a distance of 60.16 feet to a rebar rod set;

THENCE North 51 degrees 14 minutes 42 seconds East for a distance of 97.58 feet to a rebar rod set;

THENCE North 18 degrees 26 minutes 56 seconds West for a distance of 245.69 feet to a rebar rod set;

THENCE North 35 degrees 28 minutes 20 seconds West for a distance of 304.17 feet to a rebar rod set;

THENCE North 46 degrees 10 minutes 21 seconds East for a distance of 144.20 feet to a rebar rod set;



National Society of
Professional Engineers



Kentucky Society of
Professional Engineers

THENCE North 52 degrees 41 minutes 26 seconds East for a distance of 100.26 feet to a rebar rod set;
THENCE South 55 degrees 03 minutes 47 seconds East for a distance of 275.24 feet to a rebar rod set;
THENCE North 09 degrees 09 minutes 47 seconds East for a distance of 237.14 feet to a rebar rod set;
THENCE North 53 degrees 16 minutes 37 seconds East for a distance of 66.71 feet to a rebar rod set;
THENCE South 82 degrees 07 minutes 12 seconds East for a distance of 126.11 feet to a rebar rod set;
THENCE South 16 degrees 17 minutes 05 seconds East for a distance of 104.60 feet to a rebar rod set;
THENCE South 44 degrees 44 minutes 50 seconds East for a distance of 163.24 feet to a rebar rod set;
THENCE South 80 degrees 58 minutes 58 seconds East for a distance of 123.74 feet to a rebar rod set;
THENCE South 35 degrees 38 minutes 03 seconds East for a distance of 70.01 feet to a rebar rod set;
THENCE South 07 degrees 38 minutes 54 seconds East for a distance of 343.71 feet to a rebar rod set;
THENCE South 47 degrees 10 minutes 32 seconds East for a distance of 213.90 feet to a rebar rod set;
THENCE South 11 degrees 57 minutes 10 seconds West for a distance of 200.36 feet to a rebar rod set;
THENCE South 57 degrees 51 minutes 38 seconds East for a distance of 206.19 feet to a rebar rod set;
THENCE South 10 degrees 46 minutes 50 seconds East for a distance of 147.57 feet to a rebar rod set;
THENCE South 33 degrees 38 minutes 31 seconds West for a distance of 92.51 feet to a rebar rod set;
THENCE South 57 degrees 24 minutes 44 seconds West for a distance of 137.68 feet to a rebar rod set;
THENCE North 64 degrees 08 minutes 21 seconds West for a distance of 138.95 feet to the POINT OF BEGINNING, containing 25.9142 acres, as surveyed by Ricky A. Tosh TN RLS #2410 of the firm of Dummer Surveying & Engineering Services, Inc., 434 South 6th Street, Paducah, Kentucky 42003, on February 9, 2006. Bearings and distances described herein are based on Tennessee State Plane Coordinate System.

Ricky A. Tosh RLS 2410

2/17/06
Date

2003117 SW/SA 6 Cap A leg.doc



DUMMER SURVEYING & ENGINEERING SERVICES, INC.

Legal Description for SWSA 6 Cap B Limits Boundary.

All that parcel of land designated as SWSA 6 Cap B Waste Pile situated within the Department of Energy, Oak Ridge, Reservation boundaries located in Anderson County, Tennessee and being more particularly described as follows:

DAVID H. DUMMER, JR., PLS
PRES. DEN.
licensed in Kentucky

JOHN H. "JACK" MUNDY, PE
VICE PRESIDENT
ENGINEERING SERVICES
licensed in Kentucky, Illinois & Virginia

RICKY A. TOSH, PLS
VICE PRESIDENT
SURVEYING SERVICES
licensed in Kentucky, Tennessee & Illinois

Beginning at a rebar rod set [all rebar rods set are 1/2" diameter X 18" long rebar rods with plastic cap stamped "R. Tosh R.L.S. 2410"], said rebar rod being located South 32 degrees 42 minutes 00 seconds East for a distance of 1802.84 feet from a Control Point known as "CP5-ACHW", Northing 577324.5956, Easting 2463919.5040, and being located North 55 degrees 13 minutes 57 seconds West for a distance of 224.87 feet from a Control Point know as "CP30-ACHW", Northing 575679.2581, Easting 2465078.1970.

THENCE North 65 degrees 14 minutes 35 seconds East for a distance of 98.89 feet to a rebar rod set;

THENCE South 85 degrees 32 minutes 16 seconds East for a distance of 89.60 feet to a rebar rod set;

THENCE South 19 degrees 50 minutes 13 seconds West for a distance of 67.36 feet to a rebar rod set;

THENCE South 30 degrees 14 minutes 34 seconds West for a distance of 320.25 feet to a rebar rod set;

THENCE South 23 degrees 39 minutes 03 seconds West for a distance of 195.27 feet to a rebar rod set;

THENCE South 21 degrees 34 minutes 32 seconds West for a distance of 63.65 feet to a rebar rod set;

THENCE South 27 degrees 44 minutes 21 seconds West for a distance of 121.50 feet to a rebar rod set;

THENCE South 12 degrees 45 minutes 22 seconds West for a distance of 125.61 feet to a rebar rod set;

THENCE South 50 degrees 27 minutes 34 seconds West for a distance of 48.12 feet to a rebar rod set;

THENCE South 80 degrees 21 minutes 09 seconds West for a distance of 40.98 feet to a rebar rod set;

THENCE North 61 degrees 00 minutes 27 seconds West for a distance of 120.90 feet to a rebar rod set;

THENCE North 39 degrees 23 minutes 38 seconds West for a distance of 215.14 feet to a rebar rod set;

THENCE North 33 degrees 58 minutes 23 seconds East for a distance of 116.09 feet to a rebar rod set;

THENCE North 19 degrees 51 minutes 22 seconds East for a distance of 153.90 feet to a rebar rod set;



National Society of
Professional Engineers



Kentucky Society of
Professional Engineers

THENCE North 12 degrees 18 minutes 22 seconds East for a distance of 162.33 feet to a rebar rod set;

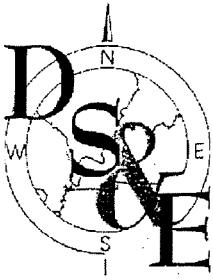
THENCE North 59 degrees 17 minutes 10 seconds East for a distance of 245.33 feet to a rebar rod set;

THENCE North 67 degrees 29 minutes 39 seconds East for a distance of 160.41 feet to the POINT OF BEGINNING, containing 6.1530 acres, as surveyed by Ricky A. Tosh TN RLS #2410 of the firm of Dummer Surveying & Engineering Services, Inc., 434 South 6th Street, Paducah, Kentucky 42003, on February 6, 2006. Bearings and distances described herein are based on Tennessee State Plane Coordinate System.



2/17/06
Date

2003117 SWSA 6 Cap B Lag.doc



DUMMER SURVEYING & ENGINEERING SERVICES, INC.

Legal Description for SWSA 6 Cap D Limits Boundary.

All that parcel of land designated as SWSA 6 Cap D Waste Pile situated within the Department of Energy, Oak Ridge, Reservation boundaries located in Anderson County, Tennessee and being more particularly described as follows:

DAVID H. DUMMER, JR., PLS
PRESIDENT
Licensed in Kentucky

JOHN H. "JACK" MUNDY, PE
VICE PRESIDENT
ENGINEERING SERVICES
Licensed in Kentucky, Illinois & Virginia

RICKY A. TOSH, PLS
VICE PRESIDENT
SURVEYING SERVICES
Licensed in Kentucky, Tennessee & Illinois

Beginning at a rebar rod set [all rebar rods set are 1/2" diameter X 18" long rebar rods with plastic cap stamped "R. Tosh R.L.S. 2410"], said rebar rod being located South 23 degrees 56 minutes 27 seconds East for a distance of 1690.83 feet from a Control Point know as "CP5-ACHW", Northing 577324.5956, Easting 2463919.5040, and being located North 78 degrees 03 minutes 16 seconds West for a distance of 483.02 feet from a Control Point known as "CP30-ACHW", Northing 575679.2581, Easting 2465078.1970.

THENCE South 06 degrees 20 minutes 31 seconds West for a distance of 29.29 feet to a rebar rod set;

THENCE South 36 degrees 30 minutes 28 seconds West for a distance of 172.66 feet to a rebar rod set;

THENCE South 34 degrees 41 minutes 59 seconds West for a distance of 101.88 feet to a rebar rod set;

THENCE North 66 degrees 40 minutes 40 seconds West for a distance of 47.48 feet to a rebar rod set;

THENCE North 32 degrees 56 minutes 45 seconds West for a distance of 276.45 feet to rebar rod set;

THENCE North 25 degrees 01 minutes 49 seconds East for a distance of 41.38 feet to a rebar rod set;

THENCE North 66 degrees 03 minutes 32 seconds East for a distance of 219.71 feet to a rebar rod set;

THENCE South 75 degrees 36 minutes 08 seconds East for a distance of 43.03 feet to a rebar set;

THENCE South 40 degrees 23 minutes 28 seconds East for a distance of 151.10 feet to the POINT OF BEGINNING, containing 1.7846 acres, as surveyed by Ricky A. Tosh TN RLS #2410 of the firm of Dummer Surveying & Engineering Services, Inc., 434 South 6th Street, Paducah, Kentucky 42003, on February 6, 2006. Bearings and distances described herein are based on Tennessee State Plane Coordinate System.

Ricky A. Tosh, RLS 2410

Date

2/17/06

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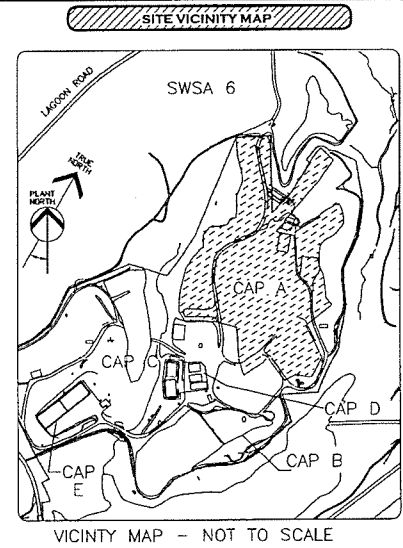
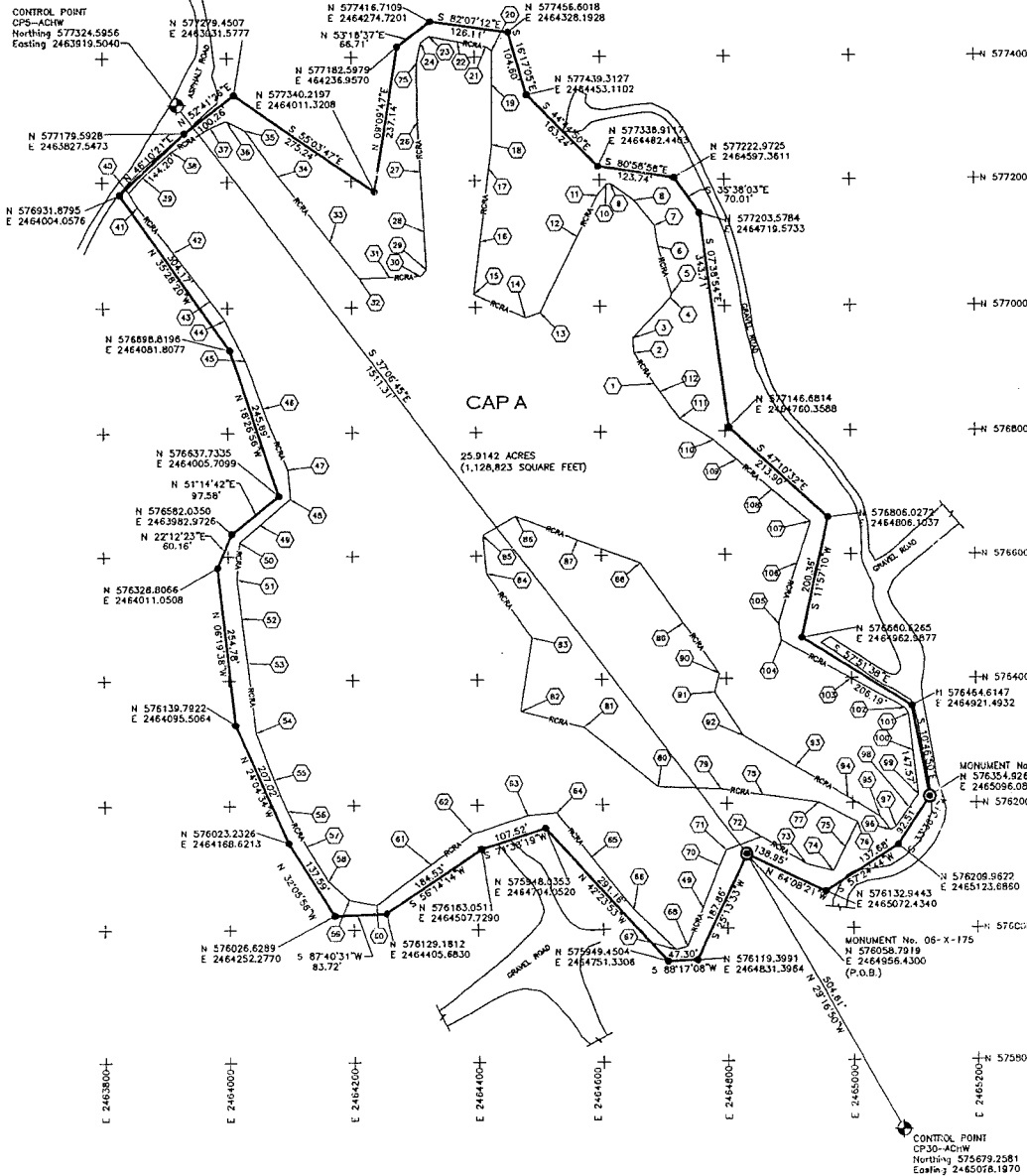
National Society of
Professional Engineers

Kentucky Society of
Professional Engineers

RCRA BOUNDARY POINTS

POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
1	N 57883.96	E 246466.34	31	N 57704.70	E 246431.85	61	N 57810.18	E 246431.85	91	N 57837.81	E 246471.35
2	N 57883.96	E 246466.34	32	N 57704.65	E 246431.85	62	N 57810.18	E 246431.85	92	N 57837.81	E 246471.35
3	N 57883.96	E 246466.34	33	N 57704.65	E 246431.85	63	N 57810.18	E 246431.85	93	N 57837.81	E 246471.35
4	N 57883.96	E 246466.34	34	N 57704.65	E 246431.85	64	N 57810.18	E 246431.85	94	N 57837.81	E 246471.35
5	N 57883.96	E 246466.34	35	N 57704.65	E 246431.85	65	N 57810.18	E 246431.85	95	N 57837.81	E 246471.35
6	N 57883.96	E 246466.34	36	N 57704.65	E 246431.85	66	N 57810.18	E 246431.85	96	N 57837.81	E 246471.35
7	N 57883.96	E 246466.34	37	N 57704.65	E 246431.85	67	N 57810.18	E 246431.85	97	N 57837.81	E 246471.35
8	N 57883.96	E 246466.34	38	N 57704.65	E 246431.85	68	N 57810.18	E 246431.85	98	N 57837.81	E 246471.35
9	N 57883.96	E 246466.34	39	N 57704.65	E 246431.85	69	N 57810.18	E 246431.85	99	N 57837.81	E 246471.35
10	N 57883.96	E 246466.34	40	N 57704.65	E 246431.85	70	N 57810.18	E 246431.85	100	N 57837.81	E 246471.35
11	N 57883.96	E 246466.34	41	N 57704.65	E 246431.85	71	N 57810.18	E 246431.85	101	N 57837.81	E 246471.35
12	N 57883.96	E 246466.34	42	N 57704.65	E 246431.85	72	N 57810.18	E 246431.85	102	N 57837.81	E 246471.35
13	N 57883.96	E 246466.34	43	N 57704.65	E 246431.85	73	N 57810.18	E 246431.85	103	N 57837.81	E 246471.35
14	N 57883.96	E 246466.34	44	N 57704.65	E 246431.85	74	N 57810.18	E 246431.85	104	N 57837.81	E 246471.35
15	N 57883.96	E 246466.34	45	N 57704.65	E 246431.85	75	N 57810.18	E 246431.85	105	N 57837.81	E 246471.35
16	N 57883.96	E 246466.34	46	N 57704.65	E 246431.85	76	N 57810.18	E 246431.85	106	N 57837.81	E 246471.35
17	N 57883.96	E 246466.34	47	N 57704.65	E 246431.85	77	N 57810.18	E 246431.85	107	N 57837.81	E 246471.35
18	N 57883.96	E 246466.34	48	N 57704.65	E 246431.85	78	N 57810.18	E 246431.85	108	N 57837.81	E 246471.35
19	N 57883.96	E 246466.34	49	N 57704.65	E 246431.85	79	N 57810.18	E 246431.85	109	N 57837.81	E 246471.35
20	N 57883.96	E 246466.34	50	N 57704.65	E 246431.85	80	N 57810.18	E 246431.85	110	N 57837.81	E 246471.35
21	N 57883.96	E 246466.34	51	N 57704.65	E 246431.85	81	N 57810.18	E 246431.85	111	N 57837.81	E 246471.35
22	N 57883.96	E 246466.34	52	N 57704.65	E 246431.85	82	N 57810.18	E 246431.85	112	N 57837.81	E 246471.35
23	N 57883.96	E 246466.34	53	N 57704.65	E 246431.85	83	N 57810.18	E 246431.85	113	N 57837.81	E 246471.35
24	N 57883.96	E 246466.34	54	N 57704.65	E 246431.85	84	N 57810.18	E 246431.85	114	N 57837.81	E 246471.35
25	N 57883.96	E 246466.34	55	N 57704.65	E 246431.85	85	N 57810.18	E 246431.85	115	N 57837.81	E 246471.35
26	N 57883.96	E 246466.34	56	N 57704.65	E 246431.85	86	N 57810.18	E 246431.85	116	N 57837.81	E 246471.35
27	N 57883.96	E 246466.34	57	N 57704.65	E 246431.85	87	N 57810.18	E 246431.85	117	N 57837.81	E 246471.35
28	N 57883.96	E 246466.34	58	N 57704.65	E 246431.85	88	N 57810.18	E 246431.85	118	N 57837.81	E 246471.35
29	N 57883.96	E 246466.34	59	N 57704.65	E 246431.85	89	N 57810.18	E 246431.85	119	N 57837.81	E 246471.35
30	N 57883.96	E 246466.34	60	N 57704.65	E 246431.85	90	N 57810.18	E 246431.85	120	N 57837.81	E 246471.35

CONTROL POINT
GPS-AGW
Northing 577324.5956
Easting 2463919.5040



08/21/2008-11:00 AM
08007305
PLAT BOOK: E
PAGE: 1

LEGEND

- SET 1/2" DIAMETER X 18" LONG REBAR WITH PLASTIC CAP STAMPED "R TOSH R.L.S. 2410"
- RESOURCE CONSERVATION AND RECOVERY ACT LINE
- BOUNDARY LINE
- MELTON VALLEY HYDROLOGIC ISOLATION PROJECT CONTROL POINT
- 1/2" DIAMETER X 18" LONG REBAR WITH METAL CAP STAMPED "U.S. DOE SURVEY MONUMENT" SET IN CONCRETE



The basis of notation: TN State Plane Coordinate System (NAD83).

0' 100' 200' 300'	
Scale of Survey: Surveyed by Robert M. Jacobs, and Robert M. Jacobs.	
U.S. D.O.E. Oak Ridge Reservation	
U.S. Department of Energy, Oak Ridge Operations	
BECHTEL BECHTEL JACOBS COMPANY, LLC	
JACOBS	
ENGINEERING SERVICES, INC.	
23900-50-0R20 DE-ACOS-580K22700	
PROJECT NAME: MELTON VALLEY HYDROLOGIC ISOLATION	
SHEET 1 OF 1	
DATE: 08/21/2008	BY: R. M. JACOBS
SCALE: 1"=100'	TYPE: BOUNDARY
PROJECT: DE-ACOS-580K22700	DATE: 08/21/2008

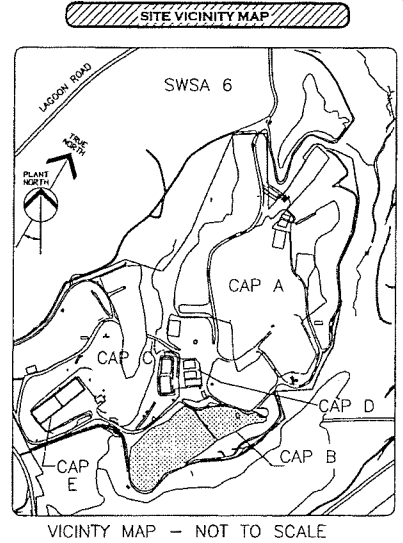
I hereby certify that this survey prepared for Bechtel-Jacobs, LLC meets or exceeds D.O.E. requirements (D.O.E. 445.1A, Section 202-2.2) for a Class 1 survey, and meets or exceeds State of Tennessee requirements for a Category 1 survey and the value of precision of the unadjusted survey is not less than 1:20,000 as shown herein. The word "certify" or "certification" as shown and used herein means an expression of professional opinion regarding the facts of the survey and does not constitute a warranty or guarantee, expressed or implied. The basis for the location of the boundary shown herein are as follows: recorded plat and monuments of record.

3/24/06

General Notes:
1. The purpose of this survey is to delineate property that will be restricted in the future use.
2. This survey was performed using conventional survey methods.
3. The basis of relation: existing survey control located at the OHR.
4. The RCRA (Resource Conservation and Recovery Act) line is the limits of the regulated area, as set forth by the Environmental Protection Agency.
5. This plat is filed in conjunction with a Deed Restriction, DE-ACOS-580K22700.
6. All coordinates, distances and bearings are based on the Tennessee State Plane Coordinate System NAD 83 (98). Note: (98) refers to the year in which the National Energy System (NRES) established GPS monuments on the Oak Ridge Reservation using values published in 1988 by the Tennessee Department of Transportation which tied the NRES GPS monuments to the Tennessee Geodetic Reference Network System.

ADDED MONUMENT NUMBERS AND NOTES 03/24/2006 PLE

POINT #	NORTHING EASTING	POINT #	NORTHING EASTING	POINT #	NORTHING EASTING
1	N 375612.52 E 246457.05	14	N 37527.51 E 246473.57	27	N 375008.14 E 2464628.93
2	N 375618.20 E 246462.42	15	N 375871.48 E 2464403.48	28	N 375023.14 E 2464549.98
3	N 375831.86 E 246467.82	16	N 375807.19 E 246481.08	29	N 375073.75 E 2464519.52
4	N 375868.75 E 246474.03	17	N 375928.90 E 246468.31	30	N 375135.33 E 246478.25
5	N 37531.65 E 246475.88	18	N 375900.52 E 246406.52	31	N 375191.54 E 2464419.12
6	N 375973.75 E 246485.03	19	N 375424.53 E 246483.10	32	N 375382.88 E 2464486.75
7	N 375929.40 E 246494.79	20	N 375350.57 E 246406.78	33	N 375344.00 E 2464477.64
8	N 375939.46 E 246505.11	21	N 375315.10 E 246479.12	34	N 375383.75 E 2464498.34
9	N 375836.23 E 246504.68	22	N 375196.77 E 246473.91	35	N 375428.50 E 2464524.53
10	N 375622.80 E 246505.42	23	N 375091.75 E 246470.47	36	N 375485.82 E 2464546.54
11	N 375806.40 E 246508.96	24	N 375149.28 E 246467.80	37	N 375555.94 E 2464555.64
12	N 375791.75 E 246536.38	25	N 375028.85 E 246486.83		
13	N 375756.88 E 246498.29	26	N 375017.42 E 246466.93		

[illegible]

● SET 1/2" DIAMETER X 18" LONG REBAR WITH PLASTIC CAP STAMPED "N. TOSH R.L.S. 2410"

—RCRA—

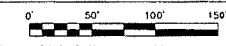
BOUNDARY LINE

● MELTON VALLEY HYDROLOGIC ISOLATION PROJECT CONTROL POINT

● 1/2" DIAMETER X 18" LONG REBAR WITH METAL CAP STAMPED "U.S. DOE SURVEY MONUMENT" SET IN CONCRETE.



The basis of rotation: TN State Plane Coordinate System (NAD83).



U.S. D.O.E. Oak Ridge Reservation

U.S. Department of Energy, Oak Ridge Operations

BECHTEL BECHTEL JACOBS COMPANY, LLC

JACOBS **U.S. OMBUDSMAN** **Contract ID-AF-05-000377000**
 4800 W. 12th Street, Suite 1000, Fort Worth, TX 76102-3808
 Tel: 817.339.3333 Fax: 817.339.3334 Email: info@jacobs-engineering.com

**DIXMER SURVEYING &
ENGINEERING SERVICES, INC.**

Product: Standard 42000		E. 117-001-0000		Date: 00/00/00	
SECRET		CLASSIFICATION		EYES CONTRACT NO.	

PROJECT NAME:

MELTON VALLEY HYDROLOGIC ISOLATION

SWSA 6 CAP B
WHITE BOUNDARY

SHEET 1 OF 1

C3E021205A754.DWG		DATE	CRNL	U
SCALE	UNIT	FILENAME	REVISION	REV

1"=50'	DD	CJL021205A254	8
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General Notes:

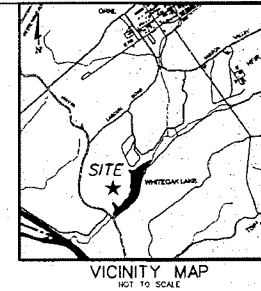
1. The purpose of this survey is to estimate property that will be restricted in the future area.
2. The survey was performed using conventional survey methods.
3. The basis of obtaining existing survey control located at the OHM.
4. The MORA (Reactive Conservation and Recovery Act) line is the limits of the regulated area, as set forth by the Environmental Protection Agency.
5. This plot is listed in conjunction with a Road Restriction.

AC coordinates, distance and bearings are based on the Tennessee State Plane Coordinate System NAD 83 (BR). Note: (BR) refers to the year in which Martin Marietta Energy Systems (MSES) obtained GPS data. The Dual Ridge Reservation was always within the MSES by the Tennessee Department of Transportation which tied the USGS GPS monuments to the Tennessee Geodetic Reference Network.

ADDED MONUMENT NUMBERS AND NOTES 03/24/2006 PLE

I hereby certify that this survey prepared for Bechtel-Jacobs, LLC meets or exceeds D.O.E. requirements (D.O.E. 5430.1A, Section 20.3.2) for a Class 1 survey, and meets or exceeds State of Tennessee requirements for a Category 1 survey and the ratio of precision of the unadjusted survey is not less than 1:20,000 as shown hereon. The word "certify" or "certificate" as shown and used hereon means an expression of professional opinion regarding the facts of the survey and does not constitute a warranty or guarantee, expressed or implied. The basis for the location of the boundary shown hereon are as follows: Recorded plats and monuments at record.

Rusty A. Tom
 Tenn. Reg. No. 2410



1. IRON RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
2. ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM HAD 83 (88). (88) REFERS TO THE YEAR IN WHICH MARTIN MARETTA ENERGY INC. (MMEI) ESTABLISHED GPS MONUMENTS AT THE OAK RIDGE RESERVATION. USARMC MAPS PUBLISHED IN 1956 BY THE TN DEPT. OF TRANSPORTATION WHICH TIED THE MMEI GPS MONUMENTS TO THE TN GEODETIC REFERENCE NETWORK SYSTEM.

	<p>FIGURE 1. (a) LDC.</p> <p>Blank GPC gel.</p>
	<p>FIGURE 2. (b) LDC.</p> <p>Blank GPC gel.</p>

PLAT BOOK : E
PAGE : 3

SHARON BRACKETT
MANAGER OF NEWS

JUNE 2007

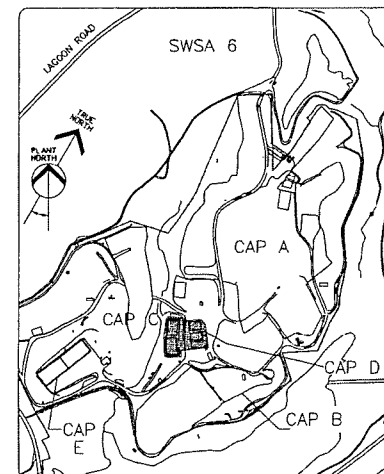
I hereby certify that this is a category 1 survey and the ratio of precision of the unadjusted survey is 1: 16990 as shown hereon. This survey has been prepared in accordance with The Standards of Practice for Land Surveys in the State of Tennessee.

Date: 8-8-07

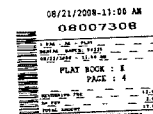
PREPARED BY:
BARGE, WAGGONER, SUMNER & CANNON
SUITE 500 1009 COMMERCE PARK DR.
OAK RIDGE, TENNESSEE 37830
PHONE: (855) 481-0496
PROJECT NO. 31170-00



POINT #	NORTHING EASTING	POINT #	NORTHING EASTING
1	N 575770.80 E 21450289.67	11	N 575787.26 E 21450589.52
2	N 575702.01 E 2146321.87	12	N 575601.16 E 21465886.64
3	N 575686.72 E 2145371.01	13	N 575852.46 E 21465021.80
4	N 575683.26 E 2146337.17	14	N 575871.88 E 21465041.49
5	N 575576.20 E 2146404.03	15	N 575685.36 E 2146447.25
6	N 575575.29 E 2146411.30	16	N 575681.49 E 2146453.21
7	N 57582.79 E 2146478.48	17	N 575855.18 E 2146422.27
8	N 576675.99 E 214632.25	18	N 576383.33 E 2146339.39
9	N 575116.83 E 214651.80	19	N 575608.59 E 2146533.04
10	N 575748.49 E 2146578.64		



VICINTY MAP - NOT TO SCALE



LEGEND

● SLO 1/2" DIAMETER X 18" LONG REBAR WITH PLASTIC CAP STAMPED "R. TOSHILL 9 2410"

—RCR— RE-CURVE CONSERVATION AND RECOVERY ACT LINE

— BOUNDARY LINE

⊕ MCLETON VALLEY HYDROLOGICAL ISOLATION POINT CONTROL POINT

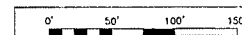
⊙ 1/2" DIAMETER X 18" LONG REBAR WITH METAL CAP STAMPED "U. S. DOE SURVEY MONUMENT"

⊙ SET BACK MARKER

1. The purpose of this survey is to delineate property that will be restricted in its future use.
2. This survey was performed using conventional survey methods.
3. The basis of relation: existing survey control located at the O&A.
4. The RRA (Resource Conservation and Recovery Act) line is the boundary of the regulated area, as set forth by the Environmental Protection Agency.
5. This plot is filed in expiration with a Deed Restriction.
D9 1240 PG 1-7
6. All coordinates, distances and bearings are based on the Tennessee State Plane Coordinate System NAD 83 (88). Note: (88) refers to a year in which Martin Marietta Land Systems (MMLS) established a monument to the O&A Ridge Reclamation using volume published in 1986 by the Tennessee Department of Transportation which fielded the GPS monuments to the Tennessee Geographic Reference Network.



The basis of rotation: The State Plane Coordinate System (NAD83)



Beds of Shinarump, Goshute Survey, Central Nevada and plant associations.

U.S. D.O.I. Oak Ridge Reservation

U.S. Department of Energy, Oak Ridge Operations

[illegible]

BECHTEL JACOBS COMPANY, LLC
a subsidiary of the BECHTEL JACOBS COMPANY, INC.
11000 N. Central Expressway, Suite 200, Dallas, TX 75243-4699
Tel: 214/440-4000 Fax: 214/440-4001
www.bjco.com

JACOBS U.S. GOVERNMENT CONTRACT NO. D-10-1-00-000000000000
JACOBS ENGINEERING GROUP, INC. One Bay View Drive, Suite 1000, Redwood City, CA 94063


**SUMMER SURVEYING &
ENGINEERING SERVICES, INC.**

434 South 4th Street
Portland, Portland 02062
Tel. 508-844-6820
E. 617-864-4300
Fax 278-844-2752
www.200000.com

23900-SC-OR220	DE-AC05-98OR22700
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PROJECT NAME:
MELTON VALLEY HYDROLOGIC ISOLATION

TITLE:	
--------	--

SINSA 6 CAP D
L'UNITE BORDOISE

SHEET 1 OF 1

EDG'S CAD FILENAME C:\EDG\EDG\SAYES.DWG	BUILDING BINA 5	PLANT CHEM	CLA
--------------------------------------------	--------------------	---------------	-----

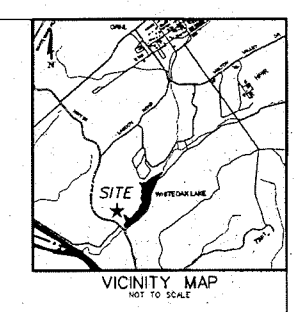
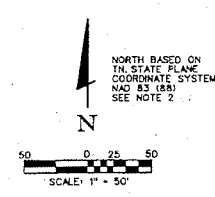
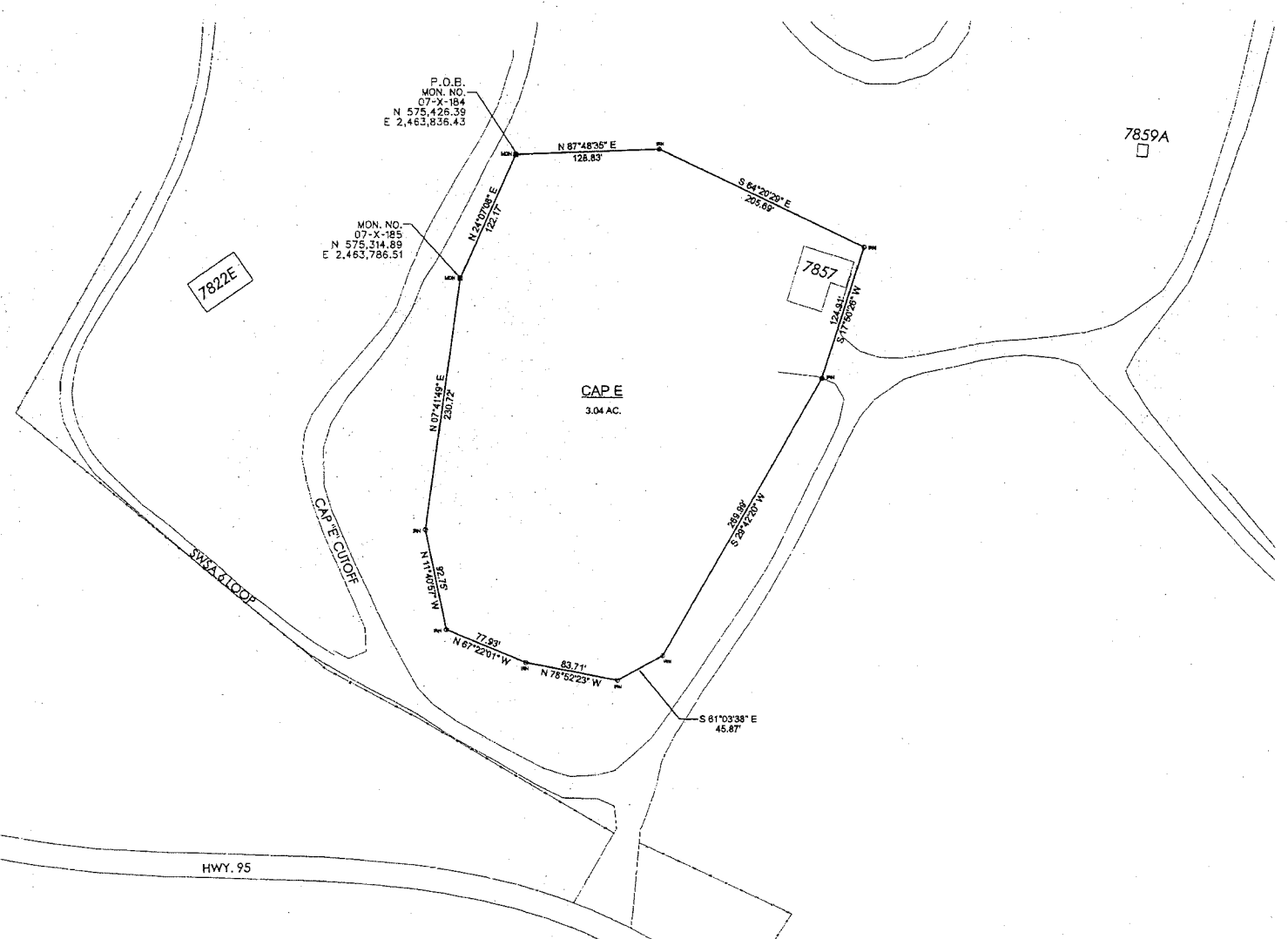
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1-50	00	650721205A255
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I hereby certify that this survey prepared for Bechtel-Jacobs, LLC meets or exceeds D.O.E. requirements (D.O.E. 6430.1A, Section 202-5.2) for a Class 1 survey, and meets or exceeds State of Tennessee requirements for a Category 1 survey and the ratio of precision of the unadjusted survey is not less than 1:200,000 as shown herein. The words "survey" or "certificates" shown and used herein means an expression of professional opinion regarding the facts of the survey and does not constitute a warranty or guarantee, expressed or implied. The basis for the location of the boundary shown herein are as follows: Recorded plats and monuments of record.

Ricky A. Ash
Tenn. Reg. No. 2410

ADDED MONUMENT NUMBERS AND NOTES 03/24/2006 PLE



- NOTES:**
1. IRON RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
 2. ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM NAD 83 (88). (88) REFERS TO THE YEAR IN WHICH MARTIN VARETTA ENERGY SYSTEM (AMES) ESTABLISHED GPS MONUMENTS ON THE OAK RIDGE RESERVATION USING VALUES PUBLISHED IN 1986 BY THE TN DEPT OF TRANSPORTATION WHICH TIED THE AMES GPS MONUMENTS TO THE TN GEODETIC REFERENCE NETWORK SYSTEM.

Legend

	PROPERTY LINE
	CENTER LINE
	RIGHT OF WAY
	EASEMENT
	MONUMENT

06/21/2008-11:00 AM
08007309
PLAT BOOK : 8
PAGE : 5
STATE OF TENNESSEE
SEAL OF THE REGISTER OF DEEDS

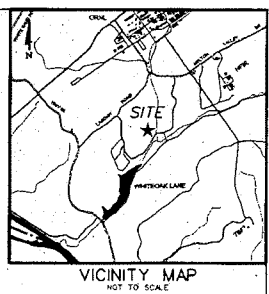
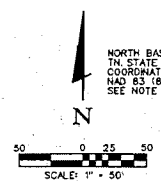
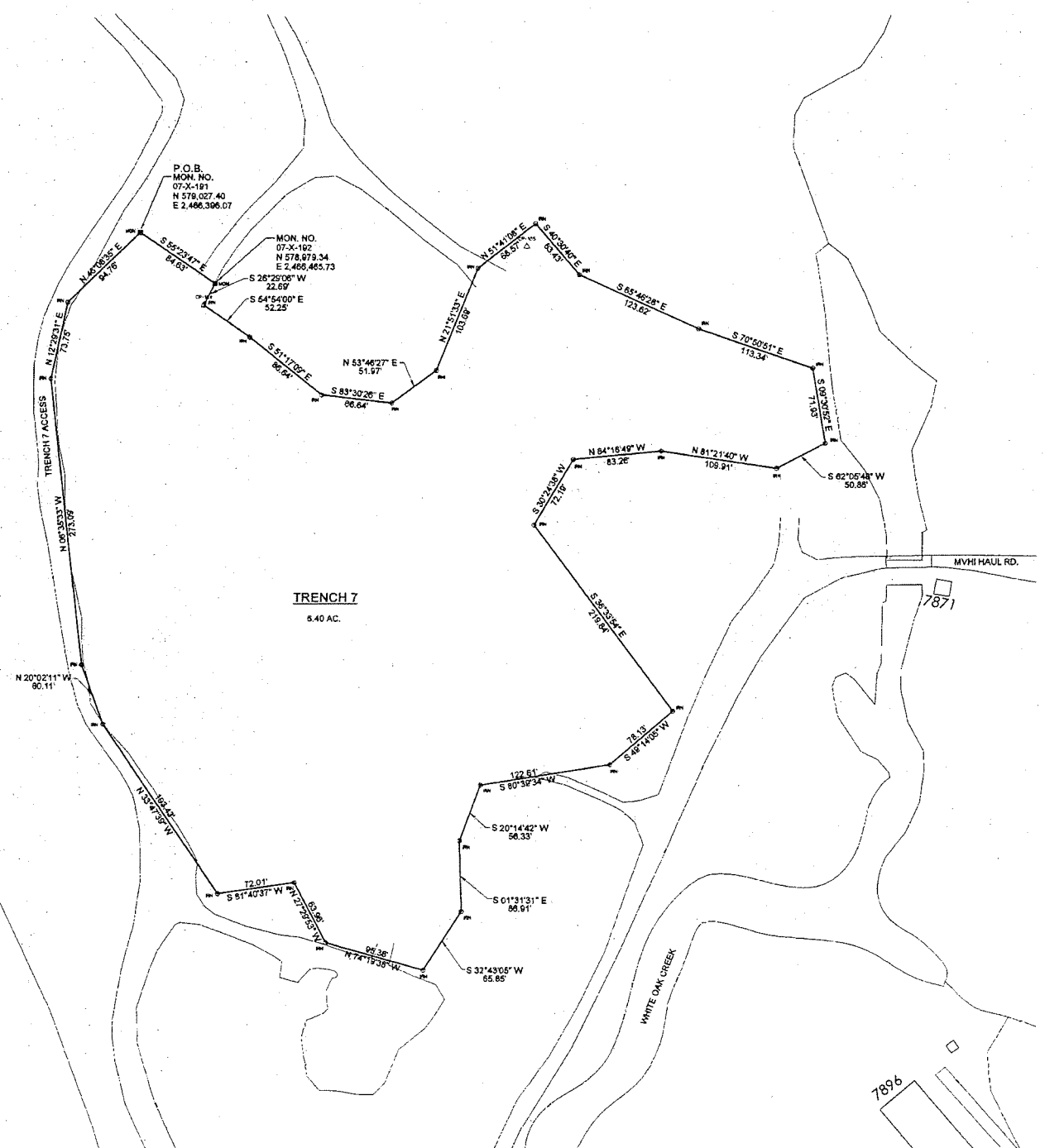
DEPARTMENT OF ENERGY
OAK RIDGE RESERVATION, TN

SWSA 6 CAP E
ROANE COUNTY TENNESSEE
JUNE 2007

Certificate of Survey
I hereby certify that this is a category 1 survey and the ratio of precision of the unadjusted survey is 1/2000 as shown hereon. This survey has been prepared in accordance with The Standards of Practice for Land Surveys in the State of Tennessee.
Mark Z. Wilms
Date: 8-8-07 Tenn. Reg. No. 1733



PREPARED BY:
BARGE, WAGONER, SUMNER & CANNON
SUITE 500 1009 COMMERCE PARK DR.
OAK RIDGE, TENNESSEE 37830
PHONE (865) 481-0496
PROJECT NO. 3170-00



- NOTES:
1. ROW RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
 2. ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM NAD 83 (88). (88) REFERS TO THE YEAR IN WHICH MARTIN MARNETTA ENERGY SYSTEM (MMS) ESTABLISHED GPS MONUMENTS ON THE OAK RIDGE RESERVATION USING VALUES PUBLISHED IN 1985 BY THE TN DEPT. OF TRANSPORTATION WHICH TIED THE MMS GPS MONUMENTS TO THE TN GEOETIC REFERENCE NETWORK SYSTEM.

Certificate of Survey
 I hereby certify that this is a category 1 survey and the ratio of precision of the unadjusted survey is 1:22292 as shown herein. This survey has been prepared in accordance with The Standards of Practice for Land Surveys in the State of Tennessee.
Mark F. Williams Tenn. Reg. No. 1733
 Date: 8-8-07

Legend

---	PROPERTY LINE
---	BOUNDARY
---	ROAD



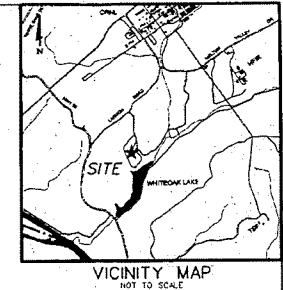
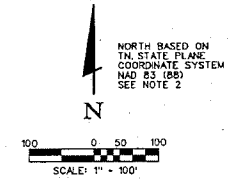
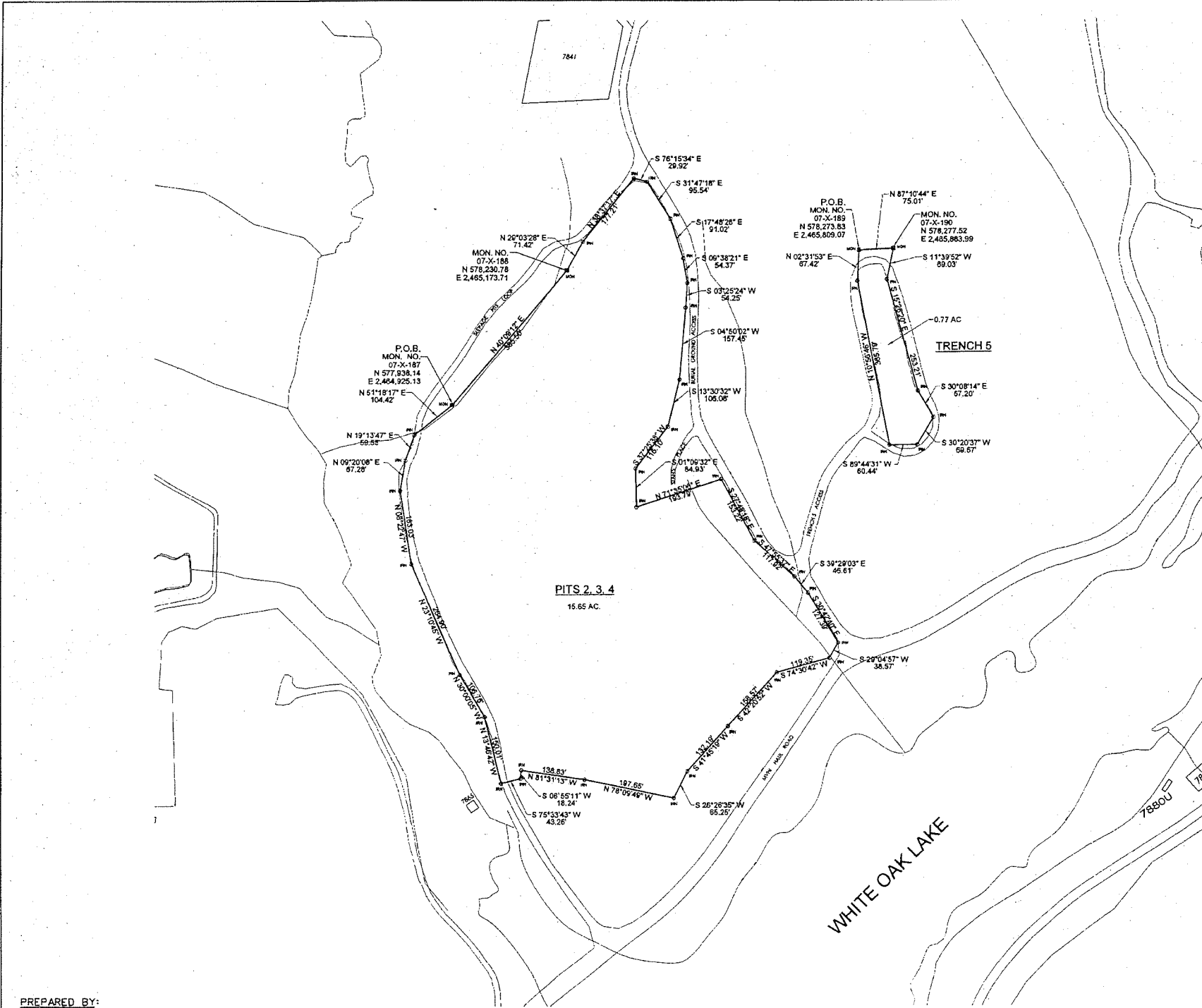
08/21/2008-11:00 AM
 08007310

DATE	08/21/2008
TIME	11:00 AM
PROJECT	TRENCH 7 AND ASSOCIATED LEAK SITE
PLAT BOOK	1: 6
PAGE	1
DATE	08/21/2008
TIME	11:00 AM
PROJECT	TRENCH 7 AND ASSOCIATED LEAK SITE
PLAT BOOK	1: 6
PAGE	1

SHARON BRACKETT
 RECEIVED BY OWNER

DEPARTMENT OF ENERGY
 OAK RIDGE RESERVATION, TN
 TRENCH 7 AND ASSOCIATED LEAK SITE
 ROANE COUNTY TENNESSEE
 JUNE 2007

PREPARED BY:
 BARGE, WAGGONER, SUMNER & CANNON
 SUITE 500 1005 COMMERCE PARK DR.
 OAK RIDGE, TENNESSEE 37830
 PHONE: (615) 481-0436
 PROJECT NO. 21170-00



- NOTES:
1. IRON RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
 2. ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM NAD 83 (88). (88) REFERS TO THE YEAR IN WHICH MARTIN MARETTA ENERGY SYSTEM (UMES) ESTABLISHED GPS MONUMENTS ON THE OAK RIDGE RESERVATION USING VALUES PUBLISHED IN 1985 BY THE TN DEPT OF TRANSPORTATION WHICH TIED THE UMES GPS MONUMENTS TO THE TN GEODETIC REFERENCE NETWORK SYSTEM.

Certificate of Survey

I hereby certify that this is a category 1 survey and the ratio of precision of the unsupervised survey is 1/10000 as shown hereon. The survey has been prepared in accordance with The Standards of Practice for Land Surveys in the State of Tennessee.

Mark F. Wilkey Term, Reg. No. 1733

Date 8-8-07



Legend

---	PROPERTY LINE
---	ADJ. PROP. LINE
---	UNDEVELOPED LAND
---	WATER

08/21/2008 11:00 AM
08007311

1	DATE	08/21/2008
1	BY	MARK F. WILKEY
1	PROJECT	PITS 2, 3, 4 & TRENCH 5
1	PLAT BOOK	1: 2
1	PAGE	7
1	DATE	08/21/2008
1	BY	MARK F. WILKEY
1	PROJECT	PITS 2, 3, 4 & TRENCH 5
1	PLAT BOOK	1: 2
1	PAGE	7
1	DATE	08/21/2008
1	BY	MARK F. WILKEY
1	PROJECT	PITS 2, 3, 4 & TRENCH 5
1	PLAT BOOK	1: 2
1	PAGE	7

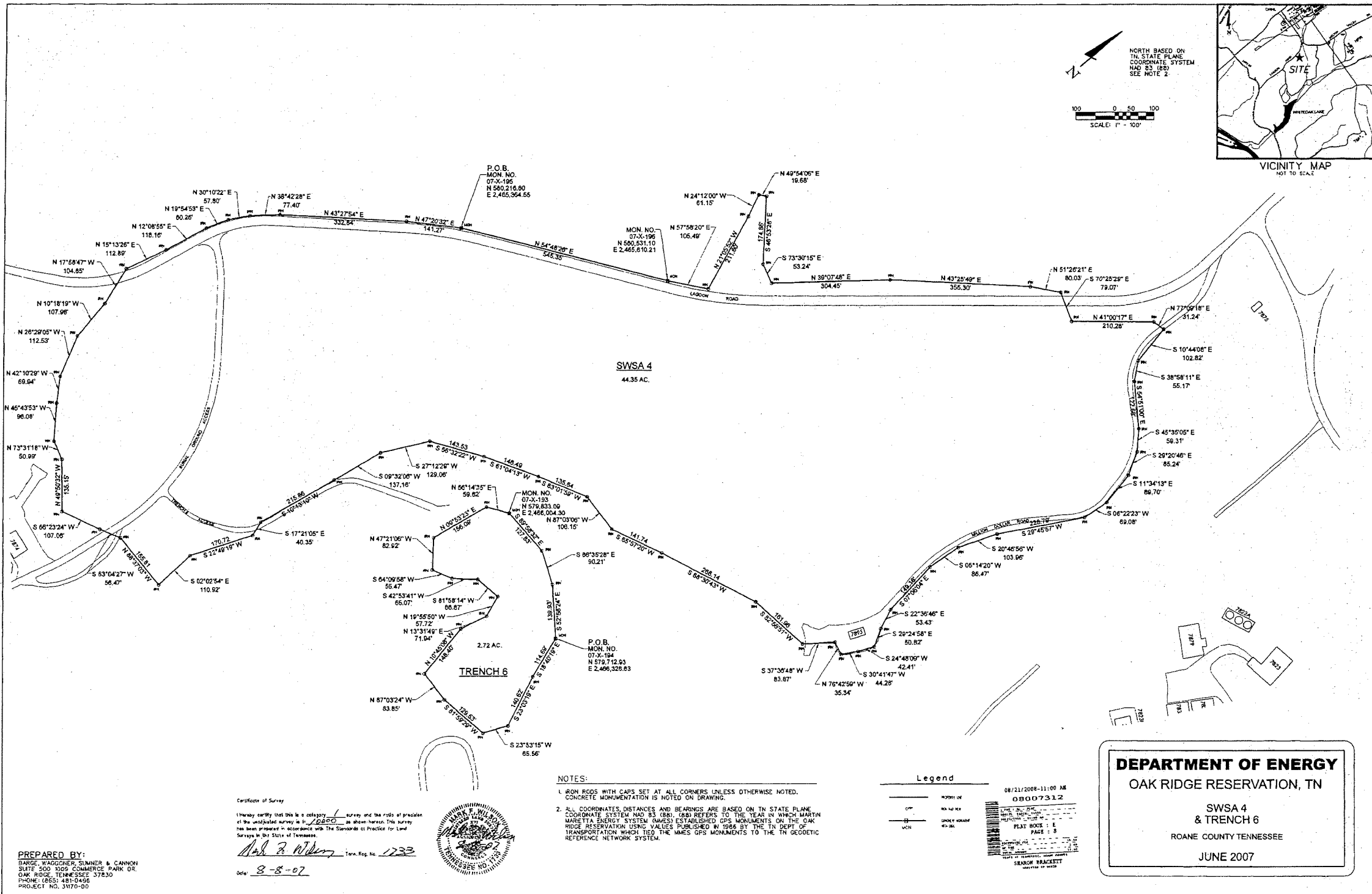
SEARCH BACKSETT
OFFICE OF RECORDS

DEPARTMENT OF ENERGY
OAK RIDGE RESERVATION, TN

PITS 2, 3 & 4
& TRENCH 5
ROANE COUNTY TENNESSEE

JUNE 2007

PREPARED BY:
BARGE, WAGGONER, SUMNER & CAMION
SUITE 500 1008 COMMERCE PARK DR.
OAK RIDGE, TENNESSEE 37830
PHONE: (615) 481-0495
PROJECT NO. 31170-00



PREPARED BY:
BARGE, WAGGONER, SUMNER & CANNON
SUITE 500 1005 COMMERCE PARK DR.
OAK RIDGE, TENNESSEE 37830
PHONE: (865) 481-0496
PROJECT NO. 3170-00

Certificate of Survey
I hereby certify that this is a category 1 survey and the facts of the unadjusted survey in it, as shown herein. This survey has been prepared in accordance with the Standards of Practice for Land Surveyors in the State of Tennessee.
Date: 8-8-07
Tenn. Reg. No. 1733



- NOTES:
1. IRON RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
 2. ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM NAD 83 (83). (83) REFERS TO THE YEAR IN WHICH MARTIN MARETTA ENERGY SYSTEM (AMES) ESTABLISHED GPS MONUMENTS ON THE OAK RIDGE RESERVATION USING VALUES PUBLISHED IN 1986 BY THE TN DEPT. OF TRANSPORTATION WHICH TIED THE AMES GPS MONUMENTS TO THE TN GEODETIC REFERENCE NETWORK SYSTEM.

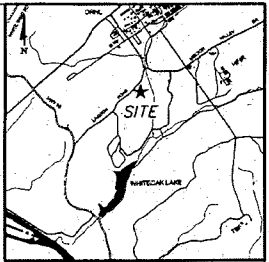
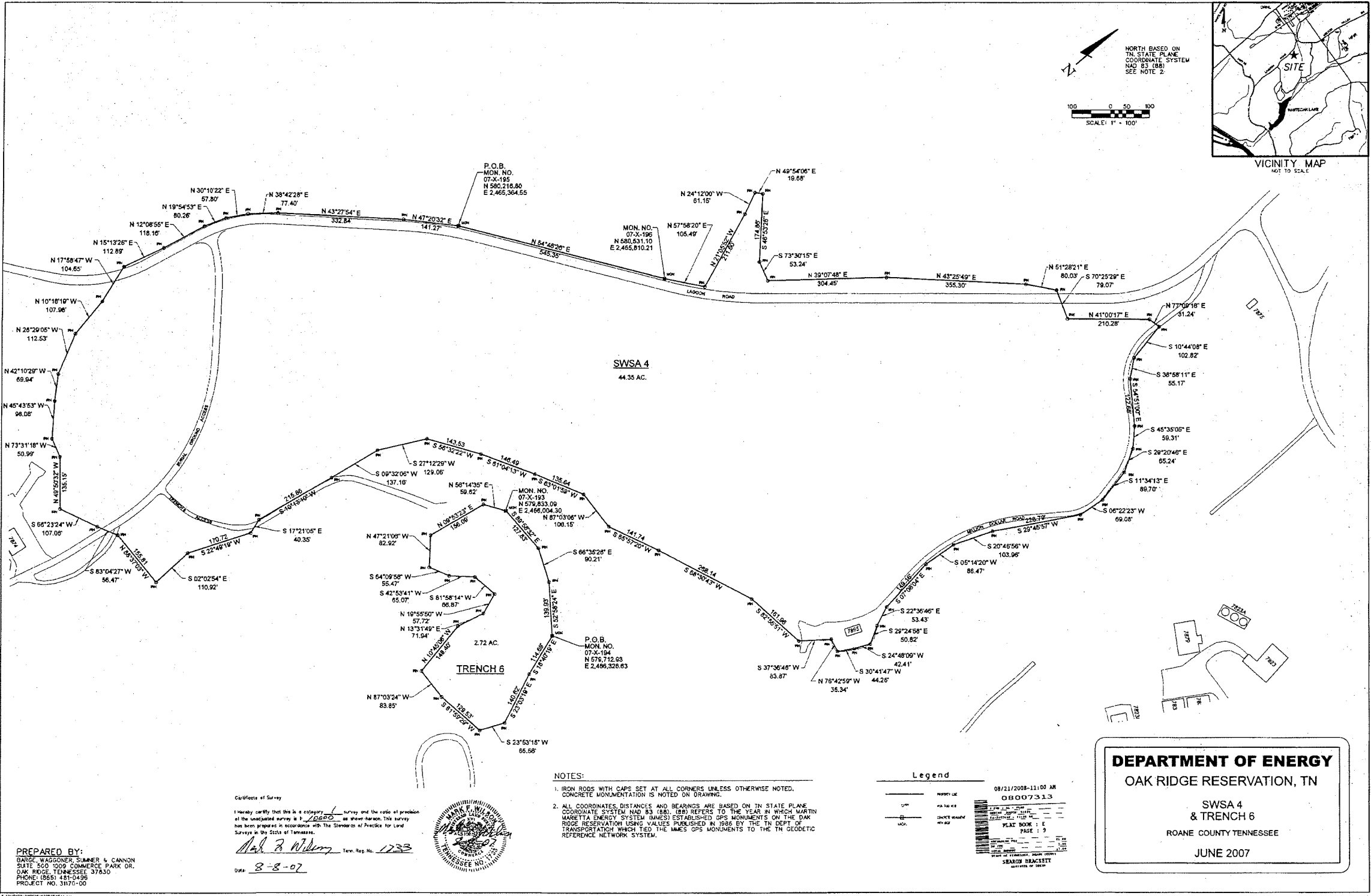
Legend

PROPERTY LINE	08/21/2008-11:00 AM
COP	08007312
UNDEVELOPED	DATE: 08/21/2008
VON	FILED: 08/21/2008
	PAGE: 8

SHARON BRACKETT
REGISTERED SURVEYOR

DEPARTMENT OF ENERGY
OAK RIDGE RESERVATION, TN

SWSA 4
& TRENCH 6
ROANE COUNTY TENNESSEE
JUNE 2007



SWSA 4
44.35 AC.

TRENCH 6
2.72 AC.

- NOTES:
1. IRON RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
 2. ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM NAD 83 (88). (88) REFERS TO THE YEAR IN WHICH MARTIN MARIETTA ENERGY SYSTEM (MMES) ESTABLISHED GPS MONUMENTS ON THE OAK RIDGE RESERVATION USING VALUES PUBLISHED IN 1986 BY THE TN DEPT. OF TRANSPORTATION WHICH TIED THE MMES GPS MONUMENTS TO THE TN GEODETIC REFERENCE NETWORK SYSTEM.

Legend

IRON ROD	PROPERTY LINE
CONCRETE MONUMENT	ADJACENT PROPERTY

08/21/2008-11:00 AM
08007313
PAGE: 9
SEANON BRANTLEY
SURVEYOR OF TENNESSEE

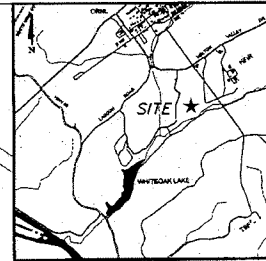
DEPARTMENT OF ENERGY
OAK RIDGE RESERVATION, TN

SWSA 4
& TRENCH 6
ROANE COUNTY TENNESSEE
JUNE 2007

PREPARED BY:
BARGE, WAGGONER, SUMNER & CANNON
SUITE 500 1009 COMMERCE PARK DR.
OAK RIDGE, TENNESSEE 37830
PHONE: (865) 481-0496
PROJECT NO. 31170-00

Surveyor's Seal and Signature
Date: 8-8-07
Term: Reg. No. 1233





VICINITY MAP
NOT TO SCALE



NORTH BASED ON
TN STATE PLANE
COORDINATE SYSTEM
NAD 83 (88)
SEE NOTE 2

100 0 50 100
SCALE: 1" = 100'

Legend

- PROPERTY LINE
- IRON ROD NEW
- CONCRETE MONUMENT WITH DISK

NOTES:

- IRON RODS WITH CAPS SET AT ALL CORNERS UNLESS OTHERWISE NOTED. CONCRETE MONUMENTATION IS NOTED ON DRAWING.
- ALL COORDINATES, DISTANCES AND BEARINGS ARE BASED ON TN STATE PLANE COORDINATE SYSTEM NAD 83 (88). (88) REFERS TO THE YEAR IN WHICH MARTIN MARIETTA ENERGY SYSTEM (AMES) ESTABLISHED GPS MONUMENTS ON THE OAK RIDGE RESERVATION USING VALUES PUBLISHED IN 1986 BY THE TN DEPT. OF TRANSPORTATION WHICH TIED THE AMES GPS MONUMENTS TO THE TN GEODETIC REFERENCE NETWORK SYSTEM.



Certificate of Survey

I hereby certify that this is a category 1 survey and the grade of precision is 1/2000 as shown herein. This survey has been prepared in accordance with the Standards of Practice for Land Surveys in the State of Tennessee.

Mark F. Wilkins Tenn. Reg. No. 1733

Date: 8-8-07

DEPARTMENT OF ENERGY
OAK RIDGE RESERVATION, TN

SWSA 5 SOUTH & SWSA 5 NORTH
ROANE COUNTY TENNESSEE

JUNE 2007

PREPARED BY:
BARGE, WAGGONER, SUMNER & CANNON
SUITE 500 1005 COMMERCE PARK DR.
OAK RIDGE, TENNESSEE 37830
PHONE: (865) 481-0496
PROJECT NO. 31170-00